

SEP 81

HI-Q

LAKEHEAD AMATEUR RADIO CLUB BULLETIN

Founded 1934

Incorporated 1979

Welcome back to another year of HI-Q. The next regular meeting and the first for the new season will take place this Thursday, September 10, at the E.M.O. Building on Waterloo Street.

Don't be afraid to come out to this one, as this year, the first meeting is not the election of officers. That will take place at the October general meeting.

Elsewhere in this issue, are details of functions that the club, or club members participated in. One not covered is the WELCOME SHIP CRUISE. Almost 50 people took in the evening on August 15, and from all appearances, enjoyed themselves. Thanks to Bill VE3-EFC for getting the night planned and getting the group together for the second 'annual' cruise.

Still in hospital is J.C. VE3-DGZ. That is the reason that you have not heard him on the air the past few weeks. J.C. does not have a radio there as he says his stay at McKellar will be short and not worth the work of setting up a station for 2 meters.

Not much else to report as not much has arrived for publication. If you have anything for the next edition of HI-Q, the deadline for the October issue is September 26. All contributions are welcomed. Don't forget we also publish 'wanted & for sale' items. OOPS.....just noticed that I forgot to include the time for the meeting. It's the usual 8:00 p.m. sharp start. The faster the meeting gets under way, the faster we can get to Shakes and get some serious discussions going.

CLUB STATION VE3-FW

SEPTEMBER 1981 HI - Q

The PREZ SEZ. THE PRES SEZ.

The Prez doesn't have too much to say this month, other than a hearty THANK YOU to all those club members who helped out at the various and numerous club functions this past year.

The club elections will be held in OCTOBER this year, in keeping with the constitution. I would suggest that all members read over the section on the various responsibilities before accepting the position, that way you will be aware of the responsibilities associated with the particular function.

As an Incorporated club there are various items which must be recorded and kept as records, should the government decide to audit the books.

Each position requires a few hours work per week, but many hands made light work, or something like that.

There has been an increase in club funds due to the selling of the dish antenna, and I understand there has been a number of suggestions made for its disposition (the money that is). I would suggest that all club members think about this matter very carefully before a decision is made. I would also urge that All members attend the club monthly meetings. After all do you wish 15 or 20 people to decide out of 50 - 60 what to do with club funds. Not only that, but the executive needs your support, tell THEM what YOU want to see at club meetings.

It has been an interesting experience performing the duties of president for L.A.R.C. Inc. and one which I will probably not forget for some time. I guess the most disappointment came from a lack of increasing attendance at the monthly meetings, but maybe this year!

Although you will see my name on the nomination list for president for next year, I regret to say that I will not accept the nomination. Having given the idea some serious thought since approached on the boat cruise, I have changed my mind.

With that thought in mind this will be the last Prez Sez from this QTH and I would encourage everyone to support the new executive for next year.

One last parting thought, MIKE HZW, Pat HFS (and his staff) should be commended for their effort each month putting HI-Q together. It is not always the easiest of jobs getting information together and I know Mike appreciates all the contributions received. Keep up the good work fellows and we look forward to getting HI-Q for each of the next 9 or 10 months.

See you all on 14230 ± QRM.

73,

Bob, VE3IDJ

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FOR SALE: SPECIAL MODEL 19 RTTY MACHINE, c/w TAPE DISTRIBUTER, Terminal unit, Power supply, portable desk, etc. a steal at 50 DOLLARS. You pick up. This unit works but will need to be checked out. Just a matter of getting the wires connected in the right places HI. One VENUS SS2, slow Scan Monitor. This is a P7 Phosphor CRT. Excellent condition, complete with ALL assembly instruction, schematics, calibration tape and procedure \$ 285- Call bob, VE3IDJ for the above.

NOMINATIONS FOR 1981 - 1982 Executive

The club nominating committee have presented the following list of members for the upcoming executive:

President; Bob, VE3IDJ
Vice President: Vic, VE3JAR
Sec. Treasurer: Jamie, VE3KRF
Directors: Laurie, VE3BCD
Ed, VE3KRP
Tim, VE3 hcm
Dan, VE3KRO

The following individuals were approached on two meters and have unofficially accepted the nomination for:

President: Laurie, VE3BCD
Sec. Treas. Gary, VE3HJS

Further nominations will be accepted at the October Meeting, at which time the new executive will be elected.

REMEMBER, IT IS YOUR CLUB - STAND FOR OFFICE AND COME OUT TO THE OCTOBER MEETING AND CAST YOUR BALLOT.

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The present executive of the club in case you have forgotten:

Pres: Bob, IDJ
V. pres: Vic, JAR - social chairman along with EFC
Sec. treas. Glenn, JaU
Directors: Tom, EEW
Vic, ECV - Station manager
Diane, JAW - Awards Manager
Ed, KRP - Membership chairman
Editor of HI-Q Mike HZW

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Up and coming events:

0 September 19 - road race, Gary HJS looking after the organising for the club.

October 11, Marathon road race, Bob, KRL looking after organising for the club.

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September meeting will have Les, VE3AYZ give a special presentation, (slides.) Come on out and tell the rest of the members what you have been up to this past summer.

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Bob, VE3IDJ

WOULD ALL EXECUTIVE AND DIRECTORS RETURN KEYS TO THE PRESIDENT AT THE SEPTEMBER MEETING, (for the EMO building.) THANKS, it saves numerous telephone calls. Bob, VE3idj

September 1981

JEUX CANADA GAMES 1981

Early in 1980, I was approached by the committee for the cycling event for the Canada Summer Games to find out if the L.A.R.C. would be interested in participating in a dry run to be held in July, 1980, the idea being to establish the criteria for communications that might be needed for the actual games in 1981.

The dry run, of course, was a complete success, for both the time trials and the street race. Officials were very gratified to know that hams could provide them with the type and reliability of radio communications that they desired.

Further meetings were held to organize for the Summer Games, and in early 1981, the Club was officially asked to provide communications for the Cycling venue. A motion was made and passed to establish a radio network for this event.

Planning got into full swing and by early spring, definite commitments to participate had been received from a number of members.

Some ideas were put forth on how to streamline the operation, so the concept of a computer operation was originated, the thought being to use a microprocessor and monitors to keep officials up to date on progress in the Road Race. Message runners had been used on the dry run and was found to be rather inconvenient.

A single simplex system on 146.520 mhz would be used for the Time Trials on Lakeshore Drive. For the City Road Race, .52 would be used again for safety, with 146.940 mhz. being the computer reporting network. Both events would resort to the Repeater if problems occurred.

Herman, VE3-LX who owns Allied Computer Centre, volunteered an Apple II with extra monitors and all the software that might be needed. Jamie VE3-KRF worked with Jim VE3-KRD and John VE3-HTM in the programming department.

During the Men's 70 Km Team Trials on August 18th and the Women's 20 Km Individuals on the 19th, 11 members were on hand to relay turning point times and emergency information to the base station at the Start/finish line. With the exception of a few minor spills no problems occurred. Les VE3-AYZ stood by in the city to pass traffic if needed.

The big event, the Road Races on city streets on August 21 brought all of our efforts to fruition and it came off without a hitch. 22 members were on hand, during a regular work day, with a number having taken time off to participate. Both systems were set up with two base stations and all was tested and ready prior to the start of the event.

The excitement wasn't long in coming following the start of the Women's 50 Km event. 15 cyclists collided only minutes from the start, with VE3-JAJ in full view, reporting the accident and medical help was dispatched. Somehow only minor injuries occurred to the racers involved and to their bicycles, and the girls carried on. Following this initial disaster, a few other small ones occurred. VE3-KRP was driving the Doctor's vehicle around the circuit, following behind the racers.

14 stations were operating at controlled intersections, co-operating with city policemen and keeping them posted on the progress of the lead racers.

Sept. 19, 1981

.....more cycling

4 stations were at 2 Km intervals providing lead racer information immediately available to officials and the colour commentator, who utilized his monitor fully to pass on the latest position data to the public at the start/finish line, via the P.A. system. He was also monitoring the .52 channel on a handheld to keep posted on gossip on the race. ACCORDING TO Don Sutherland, the colour commentator, to the best of his knowledge, this was the first time that a computer had been utilized to keep track of the leaders of the pack and their standing.

The men's 100Km event went well, with a few riders being reported down, requiring VE3-KRP to dash across town to bring the medical staff to the injured riders.

Overall, the participation by the L.A.R.C. and its members was well received by the cycling officials. All stations functioned extremely well and the discipline on both frequencies spoke well for Amateur Radio and the Club.

Incidentally, this event was the only one during the two weeks of the games that did not use the commercial radio systems that were in use elsewhere.

Thousands of spectators lined the route and cheered on the racers and helped to bring a relatively new sport to the public's knowledge in Thunder Bay. It's also gratifying to know the LAKEHEAD ARC helped to keep it safe.

Participants in the events were:

VE3's	BCD	ARN	AYZ	HCM	HFS	HJS	IDJ
	JAJ	JAY	JAQ	KRF	KRH	KRL	KRN
	KRO	KRP	KRW	KRY	LME	LMI	

XJ and ZG

.....Bill VE3-XJ

Volunteers are needed for the September 19, (saturday) 1981 HEART "FUN RUN". Numerous positions are still available. Race begins at 10 A.M., so be there shortly after 9 A.M., and will last about 1½ hours. Mobiles and operators for hand helds needed. Don't miss this chance to assist the club. This race will be slightly larger than the 10 mile Legion Race that is held every May.

Starring Dan VE3-KRO and his Amateur Television Fast Scan set-up on UHF. Don't miss this one! You could be on TV. Bring your makeup!

Call Gary VE3-HJS 622-9106

Tom (Hoito Connection) VE3-EEW 767-1453

or call on VE3-BTR 22/82

VE3-YQT 46/06

VE3-TBR

Thunder Bay has now a second repeater on operation. The call sign is VE3-TBR (THUNDER BAY REPEATER), and receives on 146.220 and transmits on 145.820 Mhz.

Construction began in July of this year and is currently located at Tom VE3-EEWs QTH. The antenna is a 4 element colinear, with all elements pointed toward the south end of the city. This is only a temporary situation until provisions are made for a permanent location, near the city

The repeater used to be a General Electric Master Executive base station and has undergone considerable surgery since then.

The machine has a 15 second tail, and a 2 minute time-out timer. Both timers reset then the carrier on the input drops. This means that it is not necessary to drop the tail to reset the timers. The time-out was originally 1 minute but due to the number of time-outs that occurred, it was changed to a 2 minute one, and has been left at that.

The duplex was purchased second hand, and a lot of effort was required to retune it. It was originally used by the MTC, and required a change of about 20 Mhz. to bring it down to meters.

The tuning, or retuning, was done at Louri VE3-BCDs QTH, and took about 3 weeks to accomplish. This required careful cutting of phasing lines and removing, then reinstalling 34 "N" type connectors. Ed VE3-KRP was in charge of this, and his final words were 'at the next dinner meeting, I want the AMPHENOL CONNECTOR AWARD'. Believe me....he deserves it.

The repeater is owned by the THUNDER BAY VHF SOCIETY. Ed VE3-KRP is the secretary-treasurer, and Tom VE3-EEW is the president. The club is similar to the FM Association, but is a separate entity.

Dues will be \$10. per year, payable to ED VE3_KRP. The society is about \$300. in debt so far, and a new antenna will be purchased next year, if funds are available. We also have another machine in the works, which should be operational next summer. Your support would be greatly be appreciated.

VE3-TBR will be located in, or near the city, with city-wide coverage with a portable being the prime objective. In addition to this, we expect good coverage around the city and across the lake. Several W8's have been worked already from the current location, and will be better once the repeater is moved. The machine was built with the help of

VE#s KPR, BCD, KRV, EFC, JVM, EEW and others. Your support would be greatly appreciated.

Lakehead Amateur Radio Club History Project

.....Tom VE3-EEW

MORE REPEATER NEWS

From Gord Woroshelo, VE3-EYW comes this onformation.

The proposed repeater VE3WRR for White River has been moved to Elliot Lake due to site problems. Should the site be OKed, and this may not be until next year, the spot will be looked at again for a possible repeater. The new frequency for the Elliot Lake machine will be 147.00/146.40 Mhz, and is expected up sometime this fall.

In a letter dated June 3, (it midedd the June deadtline for HI-Q) Gord had the following for sale....so it might still be available. FOR SALE: MFJ Model 1040 RF Preamp and Preselector. It covers all the low Amateur bands. Automatic transmit bypass, adjustable gain, selectabte antennas, ets. Almost new. Price is negotiable. If you are interested, call Gord VE3-EYW, P.O. Box 57, Manitouwadge, Ontario POT-2C0, or phone 826-4231. It might still be available.

Inflation has hit CARF. The new memberships will be \$15. annual. They report that although their operations cost has risen from \$25. to \$100. thousand, a quadrupling of cost, the fee is only doubled. One benefit of the membership is the free out-going QSL card service. Last year its popularity and widespread use resulted in the CARF QSL Bureay handling a half-ton of outgoing cards, according to the Bureaus manager. Jean Evans, VE3-DGG. With the cost of mail rising, the Qsl service will pay for itself in a short time. It does take a bit longer for returns, but with the mail service the way it is, it can't be that much longer. Think of it this wasy...with the cost of the card...stamp....IRC for return. The cost per QSL comes near the \$1. mark...so after about 15 cards, the price per QSL is very cheap. Membership also includes the monthly publication TCA.

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From CARF "NEWS SERVICE". A telephone interview with Canadian born Tom Wong, VE3-BC, corrects published reports about operations from China. He noted that despite rumors to the contrary, he has not received permission to operate from the Peoples Republic. In the opinion of Tom, it is unlikely that any foreigner will operate from there until the Chinese Amateyr stations are on the air. Tom did note that there are five radio clubs which have set up antennas and are actively engaged in short-wave sistening and SWL cards should be expected almost anytime now from these clubs.

FIELD DAY 1981

Field day for 1982 was held at Dennis's, VE3-JAQ summer retreat at Whitefish Lake.

About eight people participated in the years major event. Upon arrival, and before any setting up could be done, JAQ's father had a big plate of Spegetts in each members hand. (We all had something else in the other).

Shortly after the first round of food and drink we had the tower erected and guyed. (Experimentation was conducted without the use of guys and we concluded they were essential.)

As assembly of the four element 20 meter yagi progressed, we noticed that the clamps were missing. Fortunately, Tom VE3-EEWs vast technical knowledge and field experience came into play. Black tape clamps were used extensively and worked well enough to save the day. This new technical development was immediately dubbed the "HOITO CONNECTION" in honour of EEW and the world famous restaurant where Tom was born. (Some of you will incidentally agree this achievement is equal only in importance to the BUSH CONNECTION - a la Steve VE3-DP.)

When the 204BA was assembled it was mounted on the tower(half-way up was high enough) and numerous dipoles were strung.

In great droves we put our stations on the air, making many exchanges some even with other stations. This tense contest situation was only to be broken by our 6 P.M. Koobasa (I still can't spell it) roast.

Many interesting pictures were taken of the FD crew at this time (which cannot be viewed in mixed company) then it was back to the contest for a few more hours of operation til about 3 A.M.

Sunday morning the mood was more relaxing and 'toned down' from the night before. We departed that afternoon regretting FD that it only came once a year.... but somehow glad and comfortable knowing that it did.

73 Gary VE3-HJS
FD survivor #3

I wish the company would fix the margin control on the typewriter. These days you can't even borrow good equipment!!!!!!

CHAPTER 11. COMMUNICATIONS

As now most of you know, Thunder Bay hosted the Canada Games this August. Anytime you have 3000 athletes competing and a total of 100,000 plus people attending the different events, communications is necessary.

Most of the communications was of a commercial nature, provided by the Canada Games Society, for safety, medical and results, and traffic control. It seemed that during the games, everywhere you went there were people with hand held units. In fact this editor was involved with the television coverage of the games, and counting the 2 meter rig I had, I had a total of three VHF units for communication.

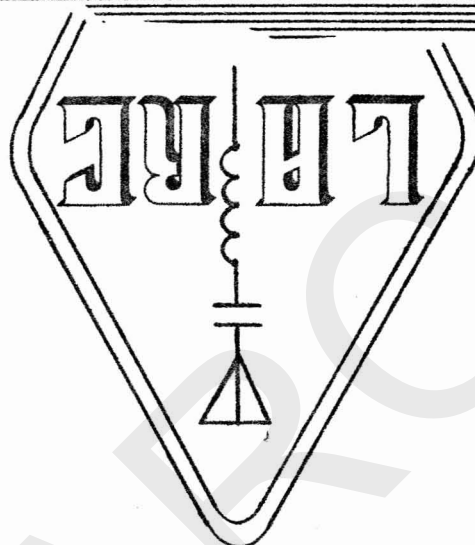
The mobile radio system consisted of 40 VHF rigs and 2 base stations. 25 of these were removed from school buses and installed in cars, using magnetic antennas for VIP transportation and games use. The other 15 were left in school buses that were used for athlete transportation. One base station was at the Transportation headquarters and the other at the games headquarters. A VHF repeater gave city wide coverage.

For messages there were 55 VHF tone Pocket Pagers with disposable batteries, transmission being direct from the Games Headquarters. A transmitter and 100 Call encoders were provided at this location to link into a city wide paging repeater. For security and Administration there were 8 VHF walkie Talkies and a repeater located at Confederation College for use there. 10 units with vehicular chargers and magnetic antennas operating through a repeater gave a city wide link back to Games Headquarters. Handhelds were removable from cars to be used on foot patrol.

In addition 20 , 5 watt, 3 channel HTs were provided for the opening and closing ceremonies and later at different venues. Their short range and multi channel capabilities allowed use without interaction. The cycling event was handled by the L.A.R.C. (story in HI Q). The sailing event was covered by VHF marine radios from the Sailing and Yacht clubs, no numbers available. The portable system from the Lakehead Search & Rescue was used for emergency communications by specific boats.

In addition there were many private systems in use. CKPR TV and CKPR radio had a 12 unit system with base station at Hill Street for use both as communication and also 'on air' reporting from locations. Television had its own 6 unit HTs for communications at the different television coverage locations. Radio station CJLB had their own as well as CBC 'film' crew (remember the CBC strike) for their use. So as you can see the VHF band was busy. If I had roomthe telephone system.

LAKEHEAD AMATEUR RADIO CLUB



HI-Q BULLETIN

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TO

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